X58A-GD65

Specifications

CPU

• Supports Intel® i7 based processors in LGA1366 package.

Please refer to CPU Support for compatible CPU; the above description is for reference only.

Chipset

• Intel® X58 Chipset

- Supports QPI up to 6.4GT/s

• Intel® ICH10R Chipset

- Hi-Speed USB (USB2.0) controller, 480Mb/sec.

- 6 SATAII ports with transfer rate up to 3Gb/s.

- PCI Master v2.3, I/O APIC.

- ACPI 2.0 compliant.

- Serial ATA RAID 0/1/5/10.

- Integrated AHCI controller.

Main Memory

• Supports six unbuffered DIMM of 1.5 Volt DDR3 800/1066/1333/1600*/1800*/2133* (OC) DRAM, 24GB Max

- Supports 1Gb/ 2Gb/ 4Gb DRAM size

- Supports x8 / x16 data lines per DIMM

- Supports up to 3 channel mode

Slots

• 3 PCI Express gen2 x16 slots

- supports ATI® Crossfire™

• 2 PCI Express gen2 x1 slots

• 2 PCI slot, support 3.3V/ 5V PCI bus Interface

On-Board SATA

• SATAII controller integrated in ICH10R/Marvell® SE9128/JMicron® JMB362 chipset

- Up to 3Gb/s transfer speed.

- Supports six SATAII ports by ICH10R (SATA1~6)

- Supports two SATAIII ports by Marvell® SE9128 (SATA7~8)

- Supports two eSATA ports by JMicron® JMB362.

- SATA1~6 support AHCI controller with SATA RAID 0/1/5/10 by ICH10R.

- SATA7~8 support SATA RAID 0/1 by Marvell® SE9128.

- eSATA1~2 support SATA RAID 0/1 & JBOD mode by JMicron® JMB362.

USB 3.0

• 2 USB 3.0 ports by NEC® uPD720200F1

Audio

• Chipset integrated by Realtek® ALC892

- Flexible 8-channel audio with jack sensing

- Compliant with Azalia 1.0 Spec

- Meet Microsoft Vista Premium spec

LAN

• Supports one PCI Express LAN 10/100/1000 Fast Ethernet by Realtek 8111DL.

IEEE1394 / FireWire

• VIA® VT6308 chipset

- Supports up to two 1394 ports. (Rear panel x1, pinheader x1)

- Transfer rate is up to 400Mbps.

Internal I/O Connectors

- ATX 24-Pin power connector

- 8-pin ATX 12V power connector

- CPU x 1 / System x 3 FAN connectors

- CD-in connector

- Front panel audio connector

- Front panel connector

- 1 x chasis intrusion connector

- 1 x serial port pinheader

- 3 x USB 2.0 connectors

- 6 x Serial ATAII connectors

- 2 x Serial ATAIII connectors

- 1 x IEEE1394 connector support additional 1 port

- 1 x Reset Button

- 1 x Power Button

- 1 x Overclock Switch

- 1 x Clear CMOS jumper

- 1 x SPDIF-out connector

- 1 x TPM module connector

Back Panel I/O Ports

- 1 x PS/2 Keyboard port

- 1 x PS/2 Mouse port

- 1 x Claer CMOS button

- 1 x Coaxial SPDIF-out

- 1 x Optical SPDIF-out

- 1 x IEEE1394 port

- 4 x USB 2.0 ports

- 2 x USB 3.0 ports

- 2 x eSATA ports

- 1 x RJ45 LAN Jack

- 1 x 6 in 1 audio jack